

AMENDMENTS TO THE SPECIFICATION:

Please set forth the title of the application to read as follows consistent with the title provided on the application and the executed application documents:

--STICK TYPE COSMETIC AND PRODUCTION PROCESS FOR THE SAME--.

Please amend the paragraph at page 1, line 6, as follows:

The present invention relates to a stick type cosmetic for a stick container used primarily for cosmetics, a stick type cosmetic for a wood case and a paper-covered stick type cosmetic, more specifically to a stick type cosmetic in which a mesoporous material is ~~contained~~ formed as a skeleton so that applying feeling can freely be set either hard or soft according to a size and a distribution of the mesopores or the kind of the material while maintaining a satisfactory color developing property and satisfactory drawn line intensity and which is excellent in mechanical strength (flexural strength, tensile strength and impact strength) and can actualize multicolor and to a production process for the same.

Please amend the paragraph at page 7, line 9, as follows:

Intensive researches repeated by the present inventors in order to solve the problems of the conventional arts described above have resulted in finding that a stick type cosmetic meeting the object described above and a production process for the same can be obtained by at least ~~adding~~ forming a mesoporous material as a skeleton on a surface or an interface of powder such as an extender material constituting a lead, and thus the present invention has come to be completed.

Please amend the paragraph at page 7, line 17, as follows:

That is, the present invention comprises ~~[[in]]~~ the following items (1) to (6).

(1) A stick type cosmetic ~~comprising a mesoporous material as a skeleton~~
characterized by kneading and extrusion-molding a blend composition comprising at
least an extender material and a raw material for forming a mesoporous material to
form as a skeleton a mesoporous material to be a binder for binding the extender
material by means of microwave heating or microwave heating and ultrasonic
cleaning.

(2) The stick type cosmetic as described in the above item (1), wherein the mesoporous material is at least one selected from the group consisting of oxide ceramics, nitride ceramics, phosphate ceramics, carbide ceramics, silicate ceramics and boride ceramics.

(3) The stick type cosmetic as described in the above item (1), wherein the mesoporous material is a composite material of at least one selected from the group consisting of oxide ceramics, nitride ceramics, phosphate ceramics, carbide ceramics, silicate ceramics and boride ceramics and an organic substance and/or a metal.

(4) The stick type cosmetic as described in any one of the above items (1) to (3), wherein a mesopore of the mesoporous material has a diameter falling in a range of 2 nm to 1000 nm.

(5) The stick type cosmetic as described in any one of the above items (1) to (4), wherein it is a cosmetic pencil.

(6) A production process for a stick type cosmetic, ~~wherein the stick type cosmetic as described in any one of the above items (1) to (5) is produced by synthesizing a mesoporous material at low temperature by means of microwave heating or~~

microwave heating and ultrasonic cleaning characterized by kneading and extrusion-molding a blend composition comprising at least an extender material and a raw material for forming a mesoporous material to synthesize a mesoporous material to be a binder for binding the extender material described above at low temperature by means of microwave heating or microwave heating and ultrasonic cleaning, whereby a stick type cosmetic comprising the mesoporous material as a skeleton is produced.

Please amend the paragraph at page 8, line 18, as follows:

According to the present invention, a mesoporous material which is a binder is ~~contained~~ formed as a skeleton after molding a material, and therefore provided are a stick type cosmetic in which applying feeling can freely be set either hard or soft according to a size and a distribution of mesopores or the kind of the material while maintaining a satisfactory color developing property and satisfactory drawn line intensity and which is excellent in mechanical strength (flexural strength, tensile strength and impact strength) and can actualize multicolor and a production process for the same.

Please amend the paragraph at page 9, line 21, as follows:

The stick type cosmetic of the present invention is characterized by ~~comprising a mesoporous material as a skeleton. Also, the production process for a stick type cosmetic according to the present invention is characterized in that the stick type cosmetic is produced by synthesizing a mesoporous material at low temperature by means of microwave heating or microwave heating and ultrasonic~~ cleaning kneading and extrusion-molding a blend composition comprising at least an extender material and a raw material for forming a mesoporous material to form as a

skeleton a mesoporous material to be a binder for binding the extended material by means of microwave heating or microwave heating and ultrasonic cleaning, and the production process for a stick type cosmetic according to the present invention is characterized by kneading and extrusion-molding a blend composition comprising at least an extender material and a raw material for forming a mesoporous material to synthesize a mesoporous material to be a binder for binding the extender material described above at low temperature by means of microwave heating or microwave heating and ultrasonic cleaning, whereby a stick type cosmetic comprising the mesoporous material as a skeleton is produced.

Please amend the paragraph at page 10, line 4, as follows:

The stick type cosmetic of the present invention is, as described above, characterized by ~~comprising a mesoporous material as a skeleton and assumes a constitution in which raw materials such as a mesoporous material (raw material), an extender material, a colorant such as a pigment and a surfactant are molded and in which the mesoporous material is then contained as a skeleton (binder)~~ forming, as a skeleton, a mesoporous material to be a binder for binding an extender material and assumes a constitution in which raw materials such as a raw material for forming a mesoporous material, an extender material, a colorant such as a pigment and a surfactant are molded and in which a mesoporous material is then formed as a skeleton (binder).

The raw material for forming a mesoporous material used in the present invention shall not specifically be restricted as long as it is usually classified into a mesoporous material, and any materials can be used.

For example, a raw material for forming a mesoporous material comprising silicon oxide as a principal material can be used. Four kinds of the following synthetic processes 1) to 4) according to the combinations of a silicon oxide source and a template are known as a synthetic process for the above mesoporous material.

Please amend the paragraph at page 11, line 21, as follows:

~~Various ceramic materials can be used for the mesoporous material (raw material) used in the present invention, and capable of being used is~~ raw materials for forming a ceramic material can be used for the raw material for forming a mesoporous material used in the present invention, and the skeleton can be formed by using, for example, any of the raw material for forming oxide ceramics of metals such as silicon, titanium, zirconium and aluminum, nitride ceramics, phosphate ceramics, carbide ceramics, silicate ceramics and boride ceramics. They are used alone or can be used in a mixture of two or more kinds thereof, and they are suitably selected according to the shape of the aimed molded article and a molding method.

Please amend the paragraph at page 12, line 5, as follows:

Further, materials (composite material) obtained by compounding at least one selected from the group consisting of the oxide ceramics, the nitride ceramics, the phosphate ceramics, the carbide ceramics, the silicate ceramics and the boride ceramics each described above with an organic substance and/or a metal can be used as well for forming the skeleton from the viewpoint of further providing the ceramic materials described above with preferred characteristics such as flexibility and a water repellent property.

Please amend the paragraph at page 13, line 7, as follows:

A content of the above ~~mesoporous materials (raw materials)~~ raw materials for forming a mesoporous material is preferably 0.1 to 50% by weight, more preferably 0.1 to 20% by weight based on the total amount of the stick type cosmetic blending composition.

If a content of the above raw materials for forming a mesoporous material is less than 0.1 by weight, the molding property and the homogeneity in molding are notably damaged, and it is difficult to obtain a molded article having a certain shape. Further, strength of the molded article is markedly weakened. On the other hand, if a content of the raw material for forming a mesoporous material exceeds 50% by weight, the strength is enhanced, but brought about is the negative effect that the cosmetic is hard and cannot be applied or is less liable to be abraded.

Please amend the paragraph at page 15, line 6, as follows:

The stick type cosmetic of the present invention ~~containing, as a skeleton, the mesoporous material which is the binder~~ in which the mesoporous material working as the binder is formed as a skeleton is produced by a low temperature process, wherein kneaded are the raw material for forming a mesoporous material (~~raw material~~), the extender material, the colorant such as the pigment and the surfactant each described above, and the kneaded composition is molded into a prescribed shape and then sintered and eluted with a solvent and heated by means of microwave.

Please amend the paragraph at page 15, line 14, as follows:

To be specific, kneaded are the raw materials (blend composition) such as the raw material for forming a mesoporous material (~~raw material~~) [~~including a solution for forming the mesoporous material~~], for example, a solution for forming a mesoporous material, the extender material, the colorant such as the pigment and the surfactant; the kneaded composition is extrusion-molded in a fine line by an extruding machine and dried; it is then heated by means of microwave or subjected to ultrasonic cleaning with water (distilled water, refined water) and then heated by means of microwave, whereby the aimed stick type cosmetic in which a template is removed and in which the mesoporous material working as the binder is ~~contained~~ formed as a skeleton can be produced. The conditions (frequency, irradiation time and others) of microwave heating are varied depending on the uses, the shape and the kind of raw material of the stick type cosmetic, and in the case of the stick type cosmetic having a diameter of about 2 mm, the sample of about 5 g is heated at 0.30 to 30 GHz and 700 W for 0.5 to 3 minutes.

Please amend the paragraph at page 17, line 1, as follows:

In the present invention thus constituted, the mesoporous material working as the binder is ~~contained~~ formed as a skeleton after molding the materials, and therefore obtained are the stick type cosmetic in which applying feeling can freely be set either hard or soft according to a size and a distribution of mesopores or the kind of the material while maintaining a satisfactory color developing property and satisfactory drawn line intensity and which is excellent in mechanical strength (flexural strength, tensile strength and impact strength) and can actualize multicolor and the production process for the same.

Please amend the paragraph at page 31, line 1, as follows:

As apparent from the results shown in Table 1 described above, it has been found that the stick type cosmetics prepared in Examples 1 to 8 are liable to be abraded and provides dry applying feeling and that they have a very good color developing property and are excellent in mechanical strength. Also, it has become clear that in Examples 9 and 10 in which titanium dioxide-covered mica was blended, pearl stick type cosmetics having good color development are obtained without ~~loosing~~ losing a pearl color and that they are excellent in a molding property.